

Title (en)  
TARGET TRACKING DEVICE COMPRISING A PHOTODETECTOR WITH QUADRANTS

Title (de)  
ZIELVERFOLGUNGSVORRICHTUNG MIT EINEM FOTODETEKTOR MIT QUADRANTEN

Title (fr)  
DISPOSITIF DE SUIVI DE CIBLE COMPRENANT UN PHOTODÉTECTEUR À QUADRANTS

Publication  
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Application  
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Abstract (en)  
[origin: WO2019057783A1] The present invention concerns a target tracking device (2), the device comprising an optical system (4) and a photodetector (6) with quadrants (Q1-Q4), wherein the optical system (4) is configured to project a light beam coming from the target onto a spot on at least one of the quadrants (Q1-Q4), and the photodetector (6) is configured to estimate a current position of the spot by weighting light energies received by the quadrants (Q1-Q4). The optical system (4) comprises an optical device (10) configured in order, when the spot is entirely contained in just one of the quadrants (Q1-Q4), to enlarge the spot. The invention also concerns a tracking method capable of being implemented by this tracking device.

IPC 8 full level  
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